Teldat
bintec-elmeg

WLAN ACCESS POINT

Low budget: WLAN technique according 802.11n standard

bintec W150n

- WLAN according IEEE 802.11n, compatible to .11bg
- Single Band Radio 2.4 GHz
- Physical data rates of up to 150 Mbps
- Operation as access point, bridge, WDS, client

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The bintec W150n is ideal for small companies or home offices, providing wireless access to the Internet, network printers, or other network components. The W150n operates in the 2.4 GHz band.

The bintec W150n, an affordable entry-level option for 802.11n wireless networking, appeals to users with its extremely small footprint. Ideal for small companies or home offices, the W150n provides wireless access to the internet, network printers, or other network components. The 802.11n device uses the 2.4 GHz band and MIMO 1x1 technology to achieve transmission rates of up to 150 Mbps using 40 MHz channels. The W150n is of course also backwards compatible with 802.11b (11 Mbps) and 802.11g (54 Mbps) WLAN devices.

The bintec W150n operates as an access point, but can also serve as a WLAN client if desired. This configuration enables devices that drivers cannot be installed on and those equipped with only an Ethernet port to quickly and easily connect to the wireless network. Together with a second W150n, the router can also be used as a repeater or to implement a bridge link.

Variants

bintec W150n (5530000036)	WLAN Access Point, 150Mbit/s, 1x1 Mimo, IEEE802.11bgn, 2,4GHz, 1xETH 10/100Mbit/s, 1 ext. RSMA antenna connector, WPA, WPA2, power supply 230V, 1 x standard antenna with 2 dBi

Features

Wireless LAN	
Operation mode	Selectable: Access Point, Wireless Client (Ethernet Adapter), AP+Repeater (WDS), Bridge, WISP
Standards	802.11bgn (Mimo 1x1, one spatial stream)
Frequency	2.412 to 2.472 GHz
Channels	Automode or selectable 1 - 13
Bandwidth	20/40 MHz
Data rates/Modulation .11b/g	Modulation: 11, 5.5, 2 und 1 Mbps (DSSS); 54, 48, 36, 24, 18, 12, 9 and 6 Mbps (OFDM)
Modulation .11n	Modulation: MCS0, 1, 2, 3, 4, 5, 6, 7, 32
Datenraten .11n (20MHz / auto guard interval)	MCS0=7.2Mbit/s; MCS1=14.4Mbit/s; MCS2=21.7Mbit/s; MCS3=28.7Mbit/s; MCS4=43.3Mbit/s; MCS5=57.8Mbit/s; MCS6=65.0Mbit/s; MCS7=72.2Mbit/s
Datenraten .11n (40MHz / auto guard interval)	MCS0=15.0Mbit/s; MCS1=30.0Mbit/s; MCS2=45.0Mbit/s; MCS3=60.0Mbit/s; MCS4=90.0Mbit/s; MCS5=120.0Mbit/s; MCS6=135.0Mbit/s; MCS7=150.0Mbit/s; MCS32= 6.7 Mbit/s
Transfer rate	Automatic fallback or selectable transfer rate

Wireless LAN

Transmit power	max. 17.5dB @ 802.11b; max. 15 dBm @ 802.11g; max. 14 dBm @ 802.11n MCS7 HT40; + 2 dB Antennengewinn
Receiver Sensitivity	-85dBm @ 802.11b / 11 Mbit/s; -68dBm @ 802.11g / 54 Mbit/s; -68dBm @ 802.11n MCS7 HT20/40; -82dBm @ 802.11n MCS0 HT20/40
WMM (Wi-Fi Multimedia)	Supported
Antenna	2dBi omni-directional antenna, detachable; at the unit is a RSMA connector (male)

Security

Standards	WEP, WPA, WPA2; 802.1x only for AP Mode
Wireless Protected Setup (WPS)	Pin Method, Push-Button Method
Network Name (SSID)	Up to four SSID defineable
Network Name (SSID) Visibilty	On/off
Intercell Repeating	On/off (allows or disallows the communication between associated Wifi client)
Access Control List (ACL)	MAC Addresses defineable as White List or as Black List
WLAN on/off	Supported

Maintenance

Configuration	Web-GUI (http) in English language
Configuration Wizard	Yes
Dime Manager Support	No
WLAN Controller Support	No
Firmware Update	Yes
Configurations Management	Save/Restore as file
Statistics	For each interface separate RX/TX counter

Hardware

LAN Interface	10/100Base-T Ethernet, Full duplex with Auto MDI/MDIX support; fixed IP Address or DHCP Client (only in AP mode)
Power supply	5V/1A DC via wall adapter
Power supply unit	Wide range switched powered wall adapter 100-240V AC 50/60Hz
Power consumption	3 Watt
Reset Button	Set the device to back factory settings
LEDs	Operation, LAN Link, Wifi active
Dimensions	102 x 71 x 20 mm (length x wide x height)
Wall mounting	No

Hardware

Environment - Operation	0-50° C max. 90% humidity (not condensing)
Environment - Storage	-20-70° C 5-95% humidity
Certification	EN60950-1; EN55022; EN55024; EN301489-1 V1.8.1; EN301489-17 V2.1.1; EN300328 V1.7.1; EN301489-7 V1.3.1; EN50385; EuP Directive 2009/278/EC

Content of Delivery

Antenna	W150n including 2dB antenna
Power Supply	Switched powered wall adapter 100-240V (euro plug)
Cable	Ethernet cable
Documentation	CD Rom with detailed documentation in English language
Quick Installation Guide	In German and English language